

PTO/SB/21 (09-04)

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

8

Application Number

10/612,884

Filing Date

July 2, 2003

First Named Inventor

HOUGHTON

Art Unit

1648

Examiner Name

S. Chen

Attorney Docket Number

PP19545.003 (2300-19545)

**ENCLOSURES (Check all that apply)**

Fee Transmittal Form (duplicate)



Fee Attached (\$180 check)



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request



Express Abandonment Request

Information Disclosure Statement  
Statement (2 pages)  
PTO/SB/08A&B lists (2 pages)Certified Copy of Priority  
Document(s)Reply to Missing Parts/ Incomplete  
ApplicationReply to Missing Parts  
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a  
Provisional ApplicationPower of Attorney, Revocation  
Change of Correspondence Address

Terminal Disclaimer



Request for Refund



CD, Number of CD(s) \_\_\_\_\_



Landscape Table on CD



After Allowance Communication to TC

Appeal Communication to Board  
of Appeals and InterferencesAppeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify  
below):

Return Receipt Postcard

(1 page)

Remarks

The Commissioner is authorized to charge any additional fees to Deposit  
Account 18-1648.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name

Robins &amp; Pasternak LLP

Signature

*Jenny Buchbinder*

Printed name

Jenny Buchbinder

Date

September 26, 2005

Reg. No.

48,588

**CERTIFICATE OF TRANSMISSION/MAILING**I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in  
an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

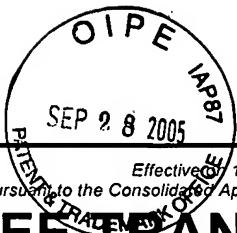
*Anne Currier Carr*

Typed or printed name

Anne Currier Carr

Date

September 26, 2005



Effective 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180

### Complete if Known

Application Number	10/612,884
Filing Date	July 2, 2003
First Named Inventor	MICHAEL HOUGHTON
Examiner Name	S. Chen
Art Unit	1648
Attorney Docket No.	PP19545.003 (2300-19545)

### METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_  
☒ Deposit Account Deposit Account Number: 18-1648 Deposit Account Name: Robins & Pasternak LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

#### 2. EXCESS CLAIM FEES

Fee Description	Small Entity	
	Fee (\$)	Fee (\$)
Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent	50	25
Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent	200	100
Multiple dependent claims	360	180

Total Claims      Extra Claims      Fee (\$)      Fee Paid (\$)      Multiple Dependent Claims  
-20 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
Fee (\$)      Fee Paid (\$)  
HP = highest number of total claims paid for, if greater than 20  
Indep. Claims      Extra Claims      Fee (\$)      Fee Paid (\$)  
-3 or HP = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_  
HP = highest number of independent claims paid for, if greater than 3

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets      Extra Sheets      Number of each additional 50 or fraction thereof      Fee (\$)      Fee Paid (\$)  
- 100 = \_\_\_\_\_ / 50 = \_\_\_\_\_ (round up to a whole number) x \_\_\_\_\_ = \_\_\_\_\_

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

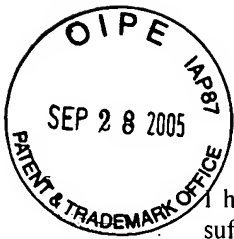
Other: Submission of Information Disclosure Statement After Office Action

Fees Paid (\$)

180

#### SUBMITTED BY

Signature	<i>Jenny Buchbinder</i>	Registration No. (Attorney/Agent)	48,588	Telephone	(650) 493-3400
Name (Print/Type)	Jenny Buchbinder			Date	September 26, 2005



Attorney Docket No. PP19545.003  
2300-19545  
PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on September 26, 2005.

By: \_\_\_\_\_

Anne Currier Carr

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

MICHAEL HOUGHTON

Examiner: S. Chen

Application No.: 10/612,885

Art Unit: 1648

Filed: July 2, 2003

Confirmation No.: 6634

For: HCV FUSION PROTEINS WITH MODIFIED NS3 DOMAINS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

### INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(c)

Sir:

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,  
Applicant(s) hereby submits the following information in conformance with 37  
C.F.R. §§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of each document cited in the attached Form PTO/SB/08 is enclosed.
- ☐ No copies of the publications listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. \_\_\_\_ to which the above-identified application claims priority under 35 U.S.C. §120.
- ☐ Publication(s) \_\_\_\_\_ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to \_\_\_\_ application serial no. \_\_\_\_\_ and mailed on \_\_\_\_\_.

- ☐ Enclosed is a copy of a non-English publication(s) \_\_\_\_\_. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).

**This Information Disclosure Statement is filed after the period specified in 37 C.F.R. § 1.97(b), but before the mailing of:**

- ☒ **a final action under 37 C.F.R. § 1.113;**  
☐ a notice of allowance under 37 C.F.R. § 1.113; or  
☐ an action that otherwise closes prosecution in this application.

**In accordance with 37 C.F.R. § 1.97(c) also enclosed is:**

- ☒ **Fee under 37 C.F.R. § 1.17(p) in the amount of \$180.00; or**  
☐ Statement as specified in 37 C.F.R. § 1.97(e):  
☐ Each item of information contained in the Information Disclosure Statement cited herein was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or  
☐ No item of information contained in the Information Disclosure Statement submitted herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, having made a reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing date of the Information Disclosure Statement.

**It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.**

Dated: September 26, 2005

Respectfully submitted,

Robins & Pasternak LLP  
1731 Embarcadero Road, Suite 230  
Palo Alto, CA 94303  
Tel: (650) 493-3400  
Fax: (650) 493-3440

By:

Jenny Buchbinder  
Jenny Buchbinder  
Reg. No. 48,588



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)			<b>Complete if Known</b>	
			Application Number	10/612,588
			Filing Date	July 2, 2003
			First Named Inventor	MICHAEL HOUGHTON
			Art Unit	1648
			Examiner Name	S. Chen
Sheet 1	of 2	Attorney Docket Number	PP19545.003 (2300-19545)	

U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code <sup>2</sup> (if known)			
	AA	US 6,211,338 B1	04/03/2001	Malcolm et al.	
	AB				
	AC				
	AD				
	AE				
	AF				
	AG				
	AH				
	AI				
	AJ				
	AK				
	AL				
	AM				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	BA							<input type="checkbox"/>
	BB							<input type="checkbox"/>
	BC							<input type="checkbox"/>
	BD							<input type="checkbox"/>
	BE							<input type="checkbox"/>
	BF							<input type="checkbox"/>
	BG							<input type="checkbox"/>
	BH							<input type="checkbox"/>
	BI							<input type="checkbox"/>
	BJ							<input type="checkbox"/>
	BK							<input type="checkbox"/>
	BL							<input type="checkbox"/>

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	10/612,588
		Filing Date	July 2, 2003
		First Named Inventor	MICHAEL HOUGHTON
		Art Unit	1648
		Examiner Name	S. Chen
		Attorney Docket Number	PP19545.003 (2300-19545)
Sheet	2	of	2

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Eckart et al., "The Hepatitis C Virus Encodes a Serine Protease Involved in Processing of the Putative Nonstructural Proteins from the Viral Polyprotein Precursor," Biochemical and Biophysical Research Communications, Vol. 192, No. 2, April 30, 1993, pp. 399-406.	
	CB		
	CC		
	CD		
	CE		
	CF		
	CG		
	CH		
	CI		
	CJ		
	CK		

Examiner Signature		Date Considered	
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\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.